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Conserving aq. dispersions of liposome microcapsules - by freeze-drying
to form paste or solid which can be rehydrated prior to use

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 873865	A	19790801			197932	B
GB 2013609	A	19790815			197933	
NL 7900822	A	19790806			197934	
DE 2904047	A	19790913			197938	
FR 2416008	A	19791005			197946	
US 4247411	A	19810127			198107	
GB 2013609	B	19821208			198249	
DE 2954558	A	19870619	DE 279954558	A	19790202	198725
IT 1119264	B	19860310			198728	
DE 2904047	C	19900419			199016	

Priority Applications (No Type Date): FR 782927 A 19780202

Abstract (Basic): BE 873865 A

Conservation of aq. dispersions of liposomes comprising organised molecular layers between which is encapsulated an aq. phase contg. >=1 active substances, the layers comprising >=1 lipids of formula X-Y (where Y is lipophilic gp. and X is (non)ionic hydrophilic gp.) the spherules having a dia. of 100 to 50,000 angstroms, comprises (a) preparing an aq. dispersions; and (b) freeze-drying to give a paste or solid; shortly before use the paste or solid is rehydrated to regenerate the original compsn.

The preps. may be stored for long periods without changing the permeability of the liposomes. Useful for compns. containing skin and scalp-treating agents, water-soluble sunscreen agents, deodorants, astringents, perfumes, water-soluble dyes, decolourizing oxidizers, vitamins, hormones, vaccines, bactericides etc.

Title Terms: CONSERVE; AQUEOUS; DISPERSE; LIPOSOME; MICROCAPSULE; FREEZE; DRY; FORM; PASTE; SOLID; CAN; REHYDRATED; PRIOR

Index Terms/Additional Words: SKIN; SCALP; TREAT; SUNSCREEN; DEODORISE; ASTRINGENT; PERFUME; HORMONE; BACTERIA; VACCINE

Derwent Class: A96; B04; D21; D22; P33; Q76

International Patent Class (Additional): A01N-025/28; A61J-000/00;
A61K-007/00; A61K-009/00; A61K-047/00; B01J-013/00; F26B-005/06

File Segment: CPI; EngPI